

8. In a machine-gun, the combination, with  
a longitudinally-movable breech-block and  
breech mechanism connected therewith, of a  
piston secured to the breech-block and work-  
ing in said cylinder, a chamber communicating  
with the rear of the cylinder, and intermediate  
adjustable valves for controlling or varying  
the channels of communication between the  
cylinder and the chamber, as and for the pur-  
pose specified.

9. The combination, with the longitudinal-  
ly-movable breech-block C, and breech mech-  
anism connected therewith, of the piston *g*,  
extending from the rear end of the same, the  
cylinder Q, in line with the breech-block, in  
which said piston works, the chamber R, com-  
municating with the rear portion of the cylin-  
der Q, and the adjustable valve *r*, for control-  
ling or varying the channel of communication  
between the cylinder Q and the chamber R, as  
set forth.

10. In a machine-gun, the combination, with  
the barrel, a longitudinally-movable breech-  
block, and the breech mechanism connected  
therewith, of the spiral springs D, connected  
to the frame, bridge-piece *d*, connected to the  
opposite ends of said springs, and rods C<sup>2</sup>, con-  
necting said bridge-piece with the forward  
end of the breech-block so that the distention  
of the springs is caused by the backward move-  
ment of the breech-block, as and for the pur-  
pose specified.

In testimony whereof I have hereunto signed  
my name in the presence of two subscribing  
witnesses.

HIRAM STEVENS MAXIM.

Witnesses:

J. WATT,

T. J. OSMAN,

*Both of 17 Gracechurch St., London.*